Compound	R1	R²	R³
Alpha (α)	СН₃	CH,	СН₃
Beta (β)	CH ₃	Н	СН,
Gamma (γ)	Н	CH ₃	СН,
Delta (δ)	Н	Н	СН

Fig. 1

$$R^4$$
 where $X = O$, N, or S and $n = 1 - 10$

B 1 = alkyl, alkenyl, akynyl, aryl, and heteroaryl,

B = alkyl. alkenyl. akynyl. aryl. and heteroaryl carboxylic acids or carboxylates.

B 1= alkyl, alkenyl, akynyl, aryl, and heteroaryl carboxamides and esters.

B1 = alkyl, alkenyl, akynyl, aryl, and heteroaryl thioamides, thioesters and thioacids,

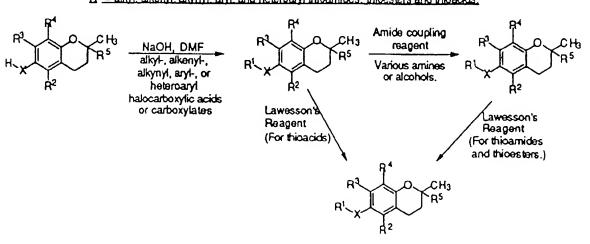
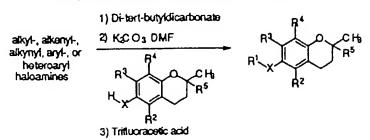


Fig. 2A

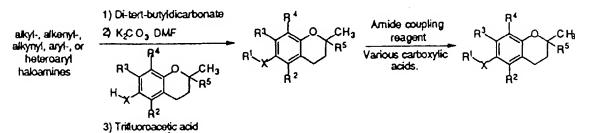
R1 - alkyl alkenyl akynyl and heteroand thiolesters.

Pi - saccharides or alkyloxy-linked saccharides.

B1 - alkyl, alkernyl, akynyl, and heteroaryl amines.

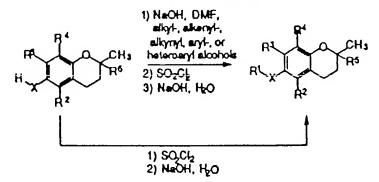


B = alkyl, alkenyl, akynyl, and heteroaryl carboxamides.

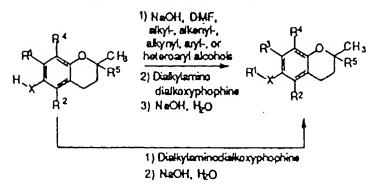


B1 - alloy, alkernyl, alornyl, and helemanyl suffonstes.

B1 - alkyl alkenyl akynyl and and heteroand sulfates.



B1 = alkyl, alkernyl, akyrnyl, and heteroaryl phosphates.



B1 - alkyl alkenyl akynyl and heteroaryl alcohols, ethers, and nitriles.

Fig. 2C

B² = benzyl carboxylic add or carboxylate.

R² = benzyl carboxamides or esters.

Fig. 3

R3. R4 - benzyl carboxylic acid or carboxylate.

R3. R4 - benzyl carboxamides or esters.

$$B^3$$
, B^4 = saccharides

Fig. 4

B⁵ = alkyl_alkenyl_akynyl_aryl_and heteroaryl.

R^5 = alkyl, alkenyl, akynyl, aryl, and heteroaryl amides and esters.

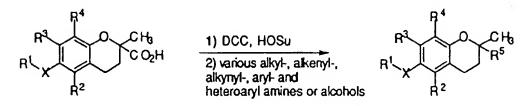
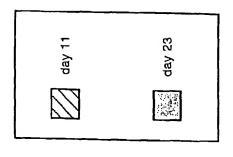


Fig. 6A

4 2 (90%)

Fig. 6B



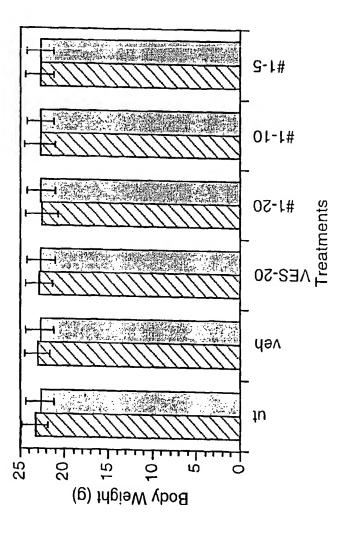


Fig. 7

